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- ☐ 1. **A novel VQ codebook design technique**
 Jui-Hua Li; Nam Ling;
Consumer Electronics, IEEE Transactions on
 Volume 43, Issue 4, Nov. 1997 Page(s):1206 - 1212
 Digital Object Identifier 10.1109/30.642388
[AbstractPlus](#) | [Full Text: PDF\(1056 KB\)](#) IEEE JNL
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- ☐ 2. **A multiple-valued logic and memory with combined single-electron and n semiconductor transistors**
 Inokawa, H.; Fujiwara, A.; Takahashi, Y.;
Electron Devices, IEEE Transactions on
 Volume 50, Issue 2, Feb. 2003 Page(s):462 - 470
 Digital Object Identifier 10.1109/TED.2002.808421
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- ☐ 3. **A realtime microprogrammable video signal LSI**
 Yamashina, M.; Enomoto, T.; Kunio, T.; Tamitani, I.; Harasaki, H.; Nishitani, T.
 Kikuchi, K.;
Solid-State Circuits Conference. Digest of Technical Papers. 1987 IEEE Intern
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- ☐ 4. **Semi-discrete matrix transforms (SDD) for image and video compression**
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Data Compression Conference, 2002. Proceedings. DCC 2002
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- ☐ 5. **A general-purpose vector-quantization processor employing two-dimensi propagating winner-take-all**
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- ☐ **6. A multiple-valued logic with merged single-electron and MOS transistors**
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- ☐ **7. A simplified Koch multiband fractal array using windowing and quantizat**
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- ☐ **8. A design of multiple-valued logic neuron**
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- ☐ **9. Hyperspace organization for classification of non-stationary patterns**
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- ☐ **10. On the training of limited precision multi-layer perceptrons**
Xie, Y.; Jabri, M.A.;
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- ☐ **11. BTC image coding with visual patterns**
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- ☐ 1. **On the sensitivity of the Hough transform for object recognition**
Grimson, W.E.L.; Huttenlocher, D.P.;
[Pattern Analysis and Machine Intelligence, IEEE Transactions on](#)
Volume 12, Issue 3, March 1990 Page(s):255 - 274
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- ☐ 2. **Blind pattern matching attack on watermarking systems**
Kirovski, D.; Petitcolas, F.A.P.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Sig](#)
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- ☐ 3. **Design a Neural Network for Features Selection in Non-Intrusive Monitori**
Electrical Loads
Yang, Hong-Tzer; Chang, Hsueh-Hsien; Lin, Ching-Lung;
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- ☐ 4. **Linkage identification for real-valued loci by fitness difference classificati**
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- ☐ 5. **Comparing "pattern discovery" and back-propagation classifiers**
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- ☐ **6. A novel neural approach to inverse problems with discontinuities (the GA network)**
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- ☐ **7. Fingerprint matching based on directional image constructed using expa wavelet transform**
Mokju, M.; Abu-Bakar, S.A.R.;
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- ☐ **8. Proceedings of 2004 International Conference on Machine Learning and (IEEE Cat. No.04EX826)**
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- ☐ **9. Human perception based color image quantization**
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- ☐ **10. Network-based anomaly intrusion detection system using SOMs**
Depren, M.O.; Topallar, M.; Anarim, E.; Ciliz, K.;
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- ☐ **11. A wavelet transform and SOFM based certificate image compression met**
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- ☐ **12. Minimum discrimination information clustering: modeling and quantizati mixtures**
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- ☐ **13. Block context modeling approach for binary image coding**
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[Data Compression Conference, 1998. DCC '98. Proceedings](#)
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- ☐ **14. A new technique for the classification and decomposition of EMG signals**
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- ☐ **15. On piecewise-planar representation of images**
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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((describ\$3 with pattern with repetitive\$4 with image) and (increas\$3 same threshold same denois\$3 same identical same value same data)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/17 01:43
L2	1	((increas\$3 same threshold same denois\$3 same identical same value same data)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/17 01:43
L3	0	((increas\$3 same threshold same denois\$3 same identical same quatization same data)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/17 01:44
L4	0	((increas\$3 same threshold same denois\$3 same identical same quatizat\$3 same data)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/17 01:44
L5	1	((increas\$3 same threshold same denois\$3 same identical)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/17 01:44
S1	2	("5280289").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/04/13 18:04
S2	1	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) same ((decompos\$5 or break\$7 or split\$4 or divid\$4) near6 (quantiz\$5) near6 (threshold or limit or predetermin\$2)) and (((\$2nois\$3) or (noise)) near5 (reduc\$4 or remov\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/13 18:21
S3	9	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((decompos\$5 or break\$7 or split\$4 or divid\$4) near6 (quantiz\$5) near6 (threshold or limit or predetermin\$2)) and (((\$2nois\$3) or (noise)) near5 (reduc\$4 or remov\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:16
S4	2	("5280289").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/04/15 16:20

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S5	1887	382/171,269,264,265,270,275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:02
S6	76	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit) near6 (updat\$3 or increas\$3 or add\$3) near6 quantiz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:21
S7	10	382/171,269,264,265,270,275.ccls. and (((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit) near6 (updat\$3 or increas\$3 or add\$3) near6 quantiz\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 16:26
S8	7	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit) near6 (updat\$3 or increas\$3 or add\$3) near6 quantiz\$4 near6 (compar\$3 or match\$3 or identical or similar\$3 or like))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 17:35
S9	2	("6,424,741").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/04/15 18:01
S10	70	pattern near3 quantiz\$3 near3 value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:21
S11	26	"382"/\$.ccls. and (pattern near3 quantiz\$3 near3 value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 18:03
S12	14	pattern adj quantiz\$3 adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/15 18:11
S13	2	("20020037113").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/10/27 15:36

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S14	3068	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((image or picture) near6 (predetermined or assigned) near6 (direction or axis or vector))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/27 17:55
S15	2049	382/171,269,264,265,270,275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/27 17:55
S16	36	((((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((image or picture) near6 (predetermined or assigned) near6 (direction or axis or vector))) and 382/171,269,264,265,270,275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:23
S17	8	((((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((image or picture) near6 (predetermined or assigned) near6 (direction or axis or vector))) and (group\$3 near6 (image or picture) near6 (similar or like\$7) near6 (pattern or characteristic or propert\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/28 15:37
S18	2	("6771813").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/23 10:47
S19	2	("6574374").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/23 14:15
S20	2	("20020037113").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/23 14:15
S21	2	("6771813").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/16 16:36
S22	4	("3668266").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/16 16:53

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S23	3	("3688266").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/16 16:53
S24	2	("6771813").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/29 15:11
S25	3	("3688266").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/29 15:12
S26	2	("6574374").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/29 16:41
S27	2	("20020037113").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/29 16:41
S28	568	(increas\$3 or adjust\$5 or add\$3) same (threshold or predefin\$3 or limit\$3 or defin\$3) same (denois\$3 or repeat\$3 or repeti\$7 or pattern or trend) same (quantiz\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:24
S29	2635	382/171,269,264,265,270,275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:09
S30	16	S28 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 17:02
S31	83	(increas\$3 or adjust\$5 or add\$3 or updat\$3) with (threshold or predefin\$3 or limit\$3 or defin\$3) with (denois\$3 or repeat\$3 or repeti\$7 or pattern or trend) with (quantiz\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 17:10

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S32	241	((determin\$5 or identif\$7 or discriminat\$3) same (pattern or trend) same (quantiz\$5) same (value or data) same (identical or "same" or similar or alike))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:52
S33	2	S29 and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 17:51
S34	64	"382"/\$.ccls. and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/30 13:45
S35	1591	382/154.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/02 16:00
S36	2	("20050031208").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/02 16:00
S37	2	("6771813").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 16:21
S38	3	("3688266").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 16:21
S39	12	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((decompos\$5 or break\$7 or split\$4 or divid\$4) near6 (quantiz\$5) near6 (threshold or limit or predetermin\$2)) and (((\$2nois\$3) or (noise)) near5 (reduc\$4 or remov\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:16
S40	99	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit) near6 (updat\$3 or increas\$3 or add\$3) near6 quantiz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:16

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S41	2774	382/171,269,264,265,270,275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:17
S42	971	pattern with quantiz\$5 with value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:17
S43	47	((((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((image or picture) near6 (predetermined or assigned) near6 (direction or axis or vector))) and 382/171,269,264,265,270,275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:17
S44	12	S40 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:17
S45	26	S41 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:17
S46	608	(increas\$3 or adjust\$5 or add\$3) same (threshold or predefin\$3 or limit\$3 or defin\$3) same (denois\$3 or repeat\$3 or repeti\$7 or pattern or trend) same (quantiz\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:18
S47	18	S41 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/12 12:18
S48	3	("5291282").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/25 14:53
S49	2	("6771813").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/25 14:54
S50	3	("3688266").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/25 14:54

EAST Search History

S51	277	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit) same (updat\$3 or increas\$3 or add\$3) same quantiz\$4 same ("same" or identical or exact or duplicat\$3 or unchang\$3 or match\$3 or equal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:24
S52	2896	382/171,269,264,265,270,275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:48
S53	8	S51 and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:02
S54	27	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit or predefin\$3) with (updat\$3 or increas\$3 or add\$3) with quantiz\$4 with value with ("same" or identical or exact or duplicat\$3 or unchang\$3 or match\$3 or equal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:25
S55	47	((pattern) with quantiz\$4 with (increa\$4 or add) with value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:24
S56	26	"382"/\$.ccls. and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:44
S57	14268	382/159,160,170,171,172,173,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,269,264,265,270,275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:50
S58	24	S55 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:50
S59	76	S51 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:50

EAST Search History

S60	632	((increas\$3 or adjust\$5 or add\$3) same (threshold or predefin\$3 or limit\$3 or defin\$3) same (denois\$3 or repeat\$3 or repeti\$7 or pattern or trend) same (quantiz\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:51
S61	115	S57 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:51
S62	460	((determin\$5 or identif\$7 or discriminat\$3) same (pattern or trend) same (quantiz\$5) same (value or data) same (identical or "same" or similar or alike or equal or match\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:25
S63	43	S57 and S62	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:55
S64	2	("20020037113").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/25 15:55
S65	11842	382/171,251,252,253,260,261,262,263,264,265,266,268,269,270,274,275.ccls. 375/254,284,285,296,346.ccls. 358/3.26.ccls. 348/666.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:25
S66	105	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit) near6 (updat\$3 or increas\$3 or add\$3) near6 quantiz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:21
S67	109	pattern near3 quantiz\$3 near3 value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:23
S68	30	S65 and S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:23
S69	18	S65 and S67	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:23

EAST Search History

S70	4489	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((image or picture) near6 (predetermined or assigned) near6 (direction or axis or vector)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:26
S71	638	(increas\$3 or adjust\$5 or add\$3) same (threshold or predefin\$3 or limit\$3 or defin\$3) same (denois\$3 or repeat\$3 or repeti\$7 or pattern or trend) same (quantiz\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:24
S72	466	((determin\$5 or identif\$7 or discriminat\$3) same (pattern or trend) same (quantiz\$5) same (value or data) same (identical or "same" or similar or alike or equal or match\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:24
S73	47	((pattern) with quantiz\$4 with (increa\$4 or add) with value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:24
S74	281	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit) same (updat\$3 or increas\$3 or add\$3) same quantiz\$4 same ("same" or identical or exact or duplicat\$3 or unchang\$3 or match\$3 or equal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:24
S75	27	((pattern or trend or composition or layout or arrangement) near6 (image or picture)) and ((threshold\$3 or predetermin\$4 or set or limit or predefin\$3) with (updat\$3 or increas\$3 or add\$3) with quantiz\$4 with value with ("same" or identical or exact or duplicat\$3 or unchang\$3 or match\$3 or equal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:25
S76	466	((determin\$5 or identif\$7 or discriminat\$3) same (pattern or trend) same (quantiz\$5) same (value or data) same (identical or "same" or similar or alike or equal or match\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:25
S78	138	S65 and S70	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:26
S79	77	S65 and S71	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:26

EAST Search History

S80	28	S65 and S72	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:26
S81	8	S65 and S73	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:26
S82	58	S65 and S74	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:26
S84	5	S65 and S75	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/17 01:40
S85	28	S65 and S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/15 06:27